



STIC Search Report

EIC 1700

STIC Database Tracking Number: 155210

TO: Timothy F Simone

Location: REM 8A29

Art Unit : 1761

June 2, 2005

Case Serial Number: 10/798251

From: Mrs. Kendra Banks

Location: EIC 1700

REM 4B28

Phone: 571-272-2516

Kendra.Mellerson@uspto.gov

Search Notes

No Cases Reported

US 6,354,196

Mellerson, Kendra

From: Simone, Timothy
Sent: Thursday, June 02, 2005 10:53 AM
To: STIC-EIC1700
Subject: Litigation Search

Need litigation search please:

S.N. 10/798,251

Pat. No. 6,354,196

Inventors: Jonny Malmberg, Per Blixt, Jon A. Hocker

Title: Apparatus for gas treatment of products

Thank-you

Timothy F. Simone
Art Unit 1761
Employee # 61557
571-272-1407
Remson 08A29

PATNO IS 6354196

DATE: JUNE 2, 2005
LIBRARY: PATENT
FILE: ALL

Your search request is:
PATNO IS 6354196

Number of PATENTS found with your search request through:
LEVEL 1... 1

Your search request has found 1 PATENT through Level 1.
To DISPLAY this PATENT press either the KWIC, FULL, CITE or SEGMENTS key.
To MODIFY your search request, press the M key (for MODIFY) and then the ENTER key.

For further explanation, press the H key (for HELP) and then the ENTER key.

LEVEL 1 - 1 PATENT

1. 6354196 , March 12, 2002 , Apparatus for gas treatment of products, Malmberg, Jonny - Helsingborg, Sweden (SE); Blixt, Per - Helsingborg, Sweden (SE); Hocker, Jon A - Kirkland, Washington; Wilson, Rick - Kent, Washington, 889672 (09), Frigoscandia Equipment A/S, HelsingBorg, Sweden (SE), 03, September 27, 2001 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., FRIGOSCANDIA EQUIPMENT AB BOX 913 SE- 251 09 HELSINBORG SWEDEN, Reel and Frame Number: 12201/0001

CORE TERMS: tunnel, chamber, housing, high-pressure, gas, conveyor belt, perforated, path, channel, conditioning ...

LEVEL 1 - 1 OF 1 PATENT

UNITED STATES PATENT AND TRADEMARK OFFICE GRANTED PATENT

6354196

<=1> Get Drawing Sheet 1 of 3

March 12, 2002

Apparatus for gas treatment of products

REISSUE: March 11, 2004 - Reissue Application filed Ex. Gp.: 1761; Re. S.N.
10/798,251 (O.G. June 15, 2004)

APPL-NO: 889672 (09)

FILED-DATE: July 19, 2001

GRANTED-DATE: March 12, 2002

CORE TERMS: tunnel, chamber, housing, high-pressure, gas, conveyor belt,
perforated, path, channel, conditioning ...

6354196 OR 6,354,196

Your search request has found no CASES.

To edit the above request, use the arrow keys. Be sure to move the cursor to the end of the request before you enter it.

To enter a new search request, type it and press the ENTER key.

What you enter will be Search Level 1.

For further explanation, press the H key (for HELP) and then the ENTER key.

Current session 02/06/2005

(C) QUESTEL 1994

QUESTEL.ORBIT (TM) 1998

02/06/05 17*14*32

Last connection: 27/05/05 15*40*45

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- PatentExaminer portfolio manager available - INFO PATEXAM
- 2005 Euro and US Dollar price lists available from website
- Research Disclosure file now available - enter: INFO RDISC
- *FAMPAT worldwide family file released. Details on website
..FILE / ..INFO / ..GUIDE

Query/Command : FILE PLUSPAT

QUESTEL - Time in minutes : 0,85

The cost estimation below is based on Questel's
standard price list

| | |
|---|----------|
| Estimated cost : | 0.92 USD |
| Cost estimated for the last database search : | 0.92 USD |
| Estimated total session cost : | 0.92 USD |

Selected file: PLUSPAT

PLUSPAT - (c) Questel-Orbit, All Rights Reserved.
Comprehensive Worldwide Patents database
New Patent Citation Commands & FAM Citation Report - see INFO PATCITE
Announcing enhanced searchability of Relevancy Codes in Search Reports
for EP, WO and FR patents. For more details see below and on QO website
-To retrieve set of high relevancy X coded cited patents, use xctx=yes
-To extract cited patents with only high relevancy code, use mem/xctx
Last update of file: 2005/06/01 (YYYY/MM/DD) 2005-21/UP (last update)

Search statement 1

Query/Command : US6354196/PN**** SS 1: Results 1**

Search statement 2

Query/Command : PRT FULL NONSTOP LEGALALL

1 / 1 PLUSPAT - ©QUESTEL-ORBIT - image

PN - US6354196 B1 20020312 [US6354196]
TI - (B1) Apparatus for gas treatment of products
PA - (B1) FRIGOSCANDIA EQUIPMENT AS (SE)
PA0 - Frigoscandia Equipment A/S, HelsingBorg [SE]
IN - (B1) BLIXT PER (SE); MALMBERG JONNY (SE); WILSON RICK (US);
HOCKER JON A (US)
AP - US88967201 20010719 [2001US-0889672]
FD - PCT/SE00/00110 20000120 [2000WO-SE00110]
WO00/42869 20000727 [WO200042869]
PR - SE9900166 19990120 [1999SE-0000166]
WOSE0000110 20000120 [2000WO-SE00110]
IC - (B1) A23L-001/00 A23L-001/01 A23L-003/36 F25D-003/11 F25D-023/02
EC - A23L-003/18
A23L-003/18D
A23L-003/3409
A23L-003/3409B
A23L-003/3418
A23L-003/3445
A23L-003/36
A23L-003/36D
A23L-003/36D2
A23L-003/40
F26B-017/04
F26B-021/02
F26B-025/12
PCL - ORIGINAL (O) : 099443000C; CROSS-REFERENCE (X) : 099386000
099476000 099477000 126021000A
DT - Corresponding document
CT - US1817875; US3813895; US3908533; US3991737; US4368664; US4478141;
US4576090; US4679542; US4779524; US4831238; US4873107; US4909430;
US4951648; US4986174; US5231920; US5408921; EP0249323
STG - (B1) U.S. Patent (no pre-grant pub.) after Jan. 2, 2001
AB - An apparatus for gas treatment of products rises a housing having top, bottom
and side walls; a conveyor belt for transporting the products along a first path in
the housing; a tunnel having perforated walls and enclosing the conveyor belt
along the first path; a gas circulation device communicating with the tunnel via
the perforated walls for circulating gas into the tunnel in the form of gas jets
impinging upon the products carried by the conveyor belt, and out of the tunnel
in a return channel back to the gas circulation device; and a gas conditioning
device positioned in the return channel. At least one substantially vertical part of
the connecting walls of the high-pressure chamber is removable so as to provide
access to the inside of the pressure chamber, and at least one of the side walls of
the housing along the high-pressure chamber may be movable so as to widen the
space between at least one wall and the high-pressure chamber.
UP - 2002-12

1 / 1 LGST - ©EPO

PN - US6354196 B1 20020312 [US6354196]
AP - US88967201 20010719 [2001US-0889672]
ACT - 20010927 US/AS-A
ASSIGNMENT
OWNER: FRIGOSCANDIA EQUIPMENT AB BOX 913 SE-251 09 HELSIN;
EFFECTIVE DATE: 20010607
ASSIGNMENT OF ASSIGNORS INTEREST;ASSIGNORS:MALMBERG,
JONNY;BLIXT, PER;HOCKER, JON A.;AND
OTHERS;REEL/FRAME:012201/0001

20040615 US/RF-A
REISSUE APPLICATION FILED
EFFECTIVE DATE: 20040311
UP - 2004-37

1 / 1 CRXX - ©CLAIMS/RRX

PN - 6,354,196 A 20020312 [US6354196]
PA - Frigoscandia Equipment A S SE
ACT - 20040311 REISSUE REQUESTED
ISSUE DATE OF O.G.: 20040615
REISSUE REQUEST NUMBER: 10/798251
EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 1761

Reissue Patent Number:

Search statement 2

Query/Command : FILE INPADOC

PLUSPAT - Time in minutes : 0,31
The cost estimation below is based on Questel's
standard price list

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|---|----------|
| Estimated cost : | 0.85 USD |
| Records displayed and billed : 1 | |
| Estimated cost : | 1.40 USD |
| Cost estimated for the last database search : | 2.25 USD |
| Estimated total session cost : | 3.17 USD |

LGST - Time in minutes : 0,06
The cost estimation below is based on Questel's
standard price list

| | |
|----------------------------------|----------|
| Estimated cost : | 0.07 USD |
| Records displayed and billed : 1 | |
| Estimated cost : | 0.65 USD |
| Legal-Status informations : 1 | |
| Estimated cost : | 0.50 USD |

Cost estimated for the last database search : 1.22 USD
Estimated total session cost : 4.39 USD

CRXX - Time in minutes : 0,02

The cost estimation below is based on Questel's
standard price list

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|---|-----------|
| Estimated cost : | 0.03 USD |
| Records displayed and billed : | 1 |
| Estimated cost : | 5.70 USD |
| Legal-Status informations : | 1 |
| Estimated cost : | 0.50 USD |
| Cost estimated for the last database search : | 6.23 USD |
| Estimated total session cost : | 10.62 USD |

LITA - Time in minutes : 0,01

The cost estimation below is based on Questel's
standard price list

| | |
|---|-----------|
| Estimated cost : | 0.02 USD |
| Cost estimated for the last database search : | 0.02 USD |
| Estimated total session cost : | 10.64 USD |

Selected file: INPADOC

You are now connected to INPADOC
Covers 1968/1973 thru weekly updates (2005-21)
For information on content, (...)INFO INPD.

Search statement 1

Query/Command : FAM US6354196/PN

1 Patent Groups

**** SS 1: Results 30**

Search statement 2

Query/Command : FAMSTATE NONSTOP

1 / 30 INPADOC - ©INPADOC

PN - AT 252853 E 20031115 [ATE252853]
TI - APPARAT ZUR GASBEHANDLUNG VON PRODUKTEN
IN - MALMBERG JONNY [SE]; BLIXT PER [SE]; HOCKER JON A [US];
WILSON RICK [US]
PA - FRIGOSCANDIA EQUIPMENT AB [SE]
AP - AT 902267/00-EP 20000120 [2000EP-0902267]
PR - SE 9900166/99-A 19990120 [1999SE-0000166]
WO 200000110/00(SE)-W 20000120 [2000WO-SE00110]
IC - A23L-003/00; B01J-008/46

1 / 1 LEGALI - ©EPO

PN - AT252853 T 20031115 [ATE252853]
AP - AT00902267T 20000120 [2000AT-0902267]
ACTE - 20040415 AT/RER-T [-]
CEASED AS TO PARAGRAPH 5 LIT. 3 LAW INTRODUCING PATENT
TREATIES
UP - 2004-20

2 / 30 INPADOC - ©INPADOC

PN - AU 200023394 A5 20000807 [AU200023394]
TI - APPARATUS FOR GAS TREATMENT OF PRODUCTS
IN - MALMBERG JONNY; BLIXT PER; HOCKER JON A; WILSON RICK
PA - FRIGOSCANDIA EQUIPMENT AB
AP - AU 23394/00-A 20000202 [2000AU-0023394]
PR - SE 9900166/99-A 19990120 [1999SE-0000166]
WO 200000110/00(SE)-W 20000120 [2000WO-SE00110]
IC - A23L-003/00; B01J-008/46

3 / 30 INPADOC - ©INPADOC

PN - AU 757869 B2 20030306 [AU-757869]
TI - APPARATUS FOR GAS TREATMENT OF PRODUCTS
IN - MALMBERG JONNY; BLIXT PER; HOCKER JON A; WILSON RICK
PA - FRIGOSCANDIA EQUIPMENT AB
AP - AU 23394/00-A 20000120 [2000AU-0023394]
PR - SE 9900166/99-A 19990120 [1999SE-0000166]
WO 200000110/00(SE)-W 20000120 [2000WO-SE00110]
IC - A23L-003/00; B01J-008/46

4 / 30 INPADOC - ©INPADOC

PN - BR 200009006 A 20011127 [BR0009006]
TI - APARELHO PARA TRATAMENTO POR GAS DE PRODUTOS
IN - MALMBERG JONNY; BLIXT PER; HOCKER JON A; WILSON RICK
PA - FRIGOSCANDIA EQUIPMENT AB [SE]
AP - BR 200009006/00-A 20000120 [2000BR-0009006]
PR - SE 9900166/99-A 19990120 [1999SE-0000166]
WO 200000110/00(SE)-W 20000120 [2000WO-SE00110]
IC - A23L-003/00; B01J-008/46

5 / 30 INPADOC - ©INPADOC

PN - CA 2356977 AA 20000727 [CA2356977]

TI - APPARATUS FOR GAS TREATMENT OF PRODUCTS
LA - ENG
IN - MALMBERG JONNY [SE]; BLIXT PER [SE]; HOCKER JON A [US];
WILSON RICK [US]
PA - FRIGOSCANDIA EQUIPMENT AB [SE]
AP - CA 2356977/00-A 20000120 [2000CA-2356977]
PR - SE 9900166/99-A 19990120 [1999SE-0000166]
WO 200000110/00(SE)-W 20000120 [2000WO-SE00110]
IC - A23L-003/00; B01J-008/46

1 / 1 LEGALI - ©EPO

PN - CA2356977 A1 20000727 [CA2356977]CA2356977 C 20041123 [CA2356977]
AP - CA2356977 20000120 [2000CA-2356977]
ACTE - 20030403 CA/AFNE-A [+]
NATIONAL PHASE ENTRY
EFFECTIVE DATE: 20010628

20040226 CA/AFNE-A [+]
NATIONAL PHASE ENTRY
EFFECTIVE DATE: 20010628

20040226 CA/EEER-A [+]
EXAMINATION REQUEST
EFFECTIVE DATE: 20040204

20050107 CA/EEER-A [+]
EXAMINATION REQUEST
EFFECTIVE DATE: 20040204
UP - 2005-11

6 / 30 INPADOC - ©INPADOC

PN - CA 2356977 C 20041123 [CA2356977]
TI - APPARATUS FOR GAS TREATMENT OF PRODUCTS
APPAREIL DE TRAITEMENT GAZEUX DE PRODUITS
LA - ENG
IN - WILSON RICK [US]; BLIXT PER [SE]; HOCKER JON A [US]; MALMBERG
JONNY [SE]
PA - FRIGOSCANDIA EQUIPMENT AB [SE]
AP - CA 2356977/00-A 20000120 [2000CA-2356977]
PR - SE 9900166/99-A 19990120 [1999SE-0000166]
WO 200000110/00(SE)-W 20000120 [2000WO-SE00110]
IC - A23L-003/00; B01J-008/46

1 / 1 LEGALI - ©EPO

PN - CA2356977 A1 20000727 [CA2356977]CA2356977 C 20041123 [CA2356977]
AP - CA2356977 20000120 [2000CA-2356977]
ACTE - 20030403 CA/AFNE-A [+]
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EFFECTIVE DATE: 20010628

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EXAMINATION REQUEST
EFFECTIVE DATE: 20040204

20050107 CA/EEER-A [+]
EXAMINATION REQUEST
EFFECTIVE DATE: 20040204
UP - 2005-11

7 / 30 INPADOC - ©INPADOC

PN - CN 1336801 A 20020220 [CN1336801]
TI - Apparatus for gas treatment of products
IN - MALMBERG JONNY [SE]; BLIXT PER [SE]; HOCKER JOHN A [SE]
PA - FRIGOSCANDIA EQUIPMENT AB [SE]
AP - CN 2000802959/00-A 20000120 [2000CN-0802959]
PR - SE 9900166/99-A 19990120 [1999SE-0000166]
IC - A23L-003/00; B01J-008/46

8 / 30 INPADOC - ©INPADOC

PN - DE 60006212 C0 20031204 [DE60006212]
TI - APPARAT ZUR GASBEHANDLUNG VON PRODUKTEN
IN - MALMBERG JONNY [SE]; BLIXT PER [SE]; HOCKER A [US]; WILSON RICK [US]
PA - FRIGOSCANDIA EQUIPMENT AB HELS [SE]
AP - DE 60006212/00-A 20000120 [2000DE-6006212]
PR - SE 9900166/99-A 19990120 [1999SE-0000166]
WO 200000110/00(SE)-W 20000120 [2000WO-SE00110]
IC - A23L-003/00; B01J-008/46

1 / 1 LEGALI - ©EPO

PN - DE60006212 D1 20031204 [DE60006212]DE60006212 T2 20040415
[DE60006212]
AP - DE60006212 20000120 [2000DE-6006212]
ACTE - 20041021 DE/8363-A [-]

OPPOSITION AGAINST THE PATENT

UP - 2004-43

9 / 30 INPADOC - ©INPADOC

PN - DE 60006212 T2 20040415 [DE60006212]
TI - APPARAT ZUR GASBEHANDLUNG VON PRODUKTEN
IN - MALMBERG JONNY [SE]; BLIXT PER [SE]; HOCKER A [US]; WILSON RICK [US]
PA - FRIGOSCANDIA EQUIPMENT AB HELS [SE]
AP - DE 60006212/00-A 20000120 [2000DE-6006212]
PR - SE 9900166/99-A 19990120 [1999SE-0000166]
WO 200000110/00(SE)-W 20000120 [2000WO-SE00110]
IC - A23L-003/00; B01J-008/46

1 / 1 LEGALI - ©EPO

PN - DE60006212 D1 20031204 [DE60006212]DE60006212 T2 20040415 [DE60006212]
AP - DE60006212 20000120 [2000DE-6006212]
ACTE - 20041021 DE/8363-A [-]
OPPOSITION AGAINST THE PATENT
UP - 2004-43

10 / 30 INPADOC - ©INPADOC

PN - DK 1143814 T3 20040126 [DK1143814]
TI - Apparat til gasbehandling af produkter
IN - MALMBERG JONNY [SE]; BLIXT PER [SE]; HOCKER JON A [US]; WILSON RICK [US]
PA - FRIGOSCANDIA EQUIPMENT AB [SE]
AP - DK 902267/00-A 20000120 [2000DK-0902267]
PR - SE 9900166/99-A 19990120 [1999SE-0000166]
WO 200000110/00(SE)-W 20000120 [2000WO-SE00110]
IC - A23L-003/00; B01J-008/46

11 / 30 INPADOC - ©INPADOC

PN - EP 1143814 A1 20011017 [EP1143814]
TI - APPARATUS FOR GAS TREATMENT OF PRODUCTS
LA - ENG
IN - MALMBERG JONNY [SE]; BLIXT PER [SE]; HOCKER JON A [US]; WILSON RICK [US]
PA - FRIGOSCANDIA EQUIPMENT AB [SE]
AP - EP 902267/00-A 20000120 [2000EP-0902267]

PR - WO 200000110/00(SE)-W 20000120 [2000WO-SE00110]
SE 9900166/99-A 19990120 [1999SE-0000166]
IC - A23L-003/00; B01J-008/46
DS - AT* BE* CH* CY* DE* DK* ES* FI* FR* GB* GR* IE* IT* LI* LU* MC*
NL* PT* SE*

1 / 1 LEGALI - ©EPO

PN - EP1143814 A1 20011017 [EP1143814]EP1143814 B1 20031029 [EP1143814]
AP - EP00902267 20000120 [2000EP-0902267]

ACTE - 20011017 EP/AK-A [+]
DESIGNATED CONTRACTING STATES:
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

20011017 EP/AX-A [+]
EXTENSION OF THE EUROPEAN PATENT TO
AL;LT;LV;MK;RO;SI

20011017 EP/17P-A [+]
REQUEST FOR EXAMINATION FILED
EFFECTIVE DATE: 20010626

20031029 EP/AK-A [+]
DESIGNATED CONTRACTING STATES:
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20031029 EP/REG-A; GB/FG4D [+]
GB: EUROPEAN PATENT GRANTED
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20031031 EP/REG-A; CH/EP [+]
CH: ENTRY IN THE NATIONAL PHASE
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20031126 EP/REG-A; IE/FG4D [+]
IE: EUROPEAN PATENTS GRANTED DESIGNATING IRELAND
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20031204 EP/REF-A
CORRESPONDS TO:
(DE 60006212 20031204 [DE60006212])

20040126 EP/REG-A; DK/T3 [+]
DK: TRANSLATION OF EP PATENT
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20040331 EP/REG-A; PT/SC4A

<PT>
EFFECTIVE DATE: 20040127

AVAILABILITY OF NATIONAL TRANSLATION

20040426 EP/LTIE-A [-]

LT: INVALIDATION OF EUROPEAN PATENT EXTENSION

EFFECTIVE DATE: 20031029

20040514 EP/REG-A; CH/PL [-]

CH: PATENT CEASED

<CH>

20040623 EP/25-A [-]

LAPSED IN A CONTRACTING STATE

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EFFECTIVE DATE: 20031029

20040701 EP/REG-A; ES/FG2A

ES: DEFINITIVE PROTECTION

(ES 2209810T3 0 [ES2209810])

20040702 EP/ET-A [+]

FR: TRANSLATION FILED

20040728 EP/25-A [-]

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20040915 EP/26-A [-]
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OPPONENT: CAMITECH A/S; EFFECTIVE DATE: 20040728

20041101 EP/NLR1-A [-]
NL: OPPOSITION HAS BEEN FILED WITH THE EPO
OPPONENT: CAMITECH A/S

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EFFECTIVE DATE: 20040131

UP - 2005-18

12 / 30 INPADOC - ©INPADOC

PN - EP 1330959 A2 20030730 [EP1330959]

TI - Apparatus for gas treatment of products
Appareil de traitement de produits par gaz

Vorrichtung fr Produktbehandlung durch ein Gas

LA - ENG
IN - MALMBERG JONNY [SE]; BLIXT PER [SE]; HOCKER JON A [US];
WILSON RICK [US]
PA - FRIGOSCANDIA EQUIPMENT AB [SE]
AP - EP 03008337/03-A 20000120 [2003EP-0008337]
PR - EP 902267/00-A3 20000120 [2000EP-0902267]
SE 9900166/99-A 19990120 [1999SE-0000166]
IC - A23L-003/36; A23L-003/40; A23L-003/18; A23L-003/04; A23L-003/3409
DS - AT* BE* CH* CY* DE* DK* ES* FI* FR* GB* GR* IE* IT* LI* LU* MC*
NL* PT* SE*

1 / 1 LEGALI - ©EPO

PN - EP1330959 A2 20030730 [EP1330959]EP1330959 A3 20030903 [EP1330959]
AP - EP03008337 20000120 [2003EP-0008337]
ACTE - 20030730 EP/AC-A
DIVISIONAL APPLICATION (ART. 76) OF:
(EP 1143814 [EP1143814])

20030730 EP/AK-A [+]
DESIGNATED CONTRACTING STATES:
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

20030903 EP/AK-A [+]
DESIGNATED CONTRACTING STATES:
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

20030903 EP/RIC1-A
CLASSIFICATION (CORRECTION)
7 A23L-003/36 A

20030903 EP/RIC1-A
CLASSIFICATION (CORRECTION)
7 A23L-003/40 B

20030903 EP/RIC1-A
CLASSIFICATION (CORRECTION)
7 A23L-003/18 B

20030903 EP/RIC1-A
CLASSIFICATION (CORRECTION)
7 A23L-003/04 B

20030903 EP/RIC1-A
CLASSIFICATION (CORRECTION)
7 A23L-003/3409 B

20030903 EP/RIC1-A

CLASSIFICATION (CORRECTION)
7 A23G-007/02 B

20031015 EP/RIN1-A
INVENTOR (CORRECTION)
MALMBERG, JONNY

20031015 EP/RIN1-A
INVENTOR (CORRECTION)
BLIXT, PER

20031015 EP/RIN1-A
INVENTOR (CORRECTION)
HOCKER, JON A.

20031015 EP/RIN1-A
INVENTOR (CORRECTION)
WILSON, RICK

20031112 EP/RIN1-A
INVENTOR (CORRECTION)
MALMBERG, JONNY

20031112 EP/RIN1-A
INVENTOR (CORRECTION)
BLIXT, PER

20031112 EP/RIN1-A
INVENTOR (CORRECTION)
HOCKER, JON A.

20031112 EP/RIN1-A
INVENTOR (CORRECTION)
WILSON, RICK

20040526 EP/AKX-A [+]
PAYMENT OF DESIGNATION FEES
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

20040526 EP/17P-A [+]
REQUEST FOR EXAMINATION FILED
EFFECTIVE DATE: 20030410

20040901 EP/17Q-A [+]
FIRST EXAMINATION REPORT
EFFECTIVE DATE: 20040720

UP - 2004-36

PN - EP 1330959 A3 20030903 [EP1330959]
TI - Apparatus for gas treatment of products
 Appareil de traitement de produits par gaz
 Vorrichtung fr Produktbehandlung durch ein Gas
LA - ENG
IN - MALMBERG JONNY [SE]; BLIXT PER [SE]; HOCKER JON A [US];
 WILSON RICK [US]
PA - FRIGOSCANDIA EQUIPMENT AB [SE]
AP - EP 03008337/03-A 20000120 [2003EP-0008337]
PR - EP 902267/00-A3 20000120 [2000EP-0902267]
 SE 9900166/99-A 19990120 [1999SE-0000166]
IC - A23L-003/36; A23L-003/40; A23L-003/18; A23L-003/04; A23L-003/3409;
 A23G-007/02
DS - AT* BE* CH* CY* DE* DK* ES* FI* FR* GB* GR* IE* IT* LI* LU* MC*
 NL* PT* SE*

1 / 1 LEGALI - ©EPO

PN - EP1330959 A2 20030730 [EP1330959]EP1330959 A3 20030903 [EP1330959]

AP - EP03008337 20000120 [2003EP-0008337]

ACTE -
 20030730 EP/AC-A
 DIVISIONAL APPLICATION (ART. 76) OF:
 (EP 1143814 [EP1143814])

20030730 EP/AK-A [+]
 DESIGNATED CONTRACTING STATES:
 AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

20030903 EP/AK-A [+]
 DESIGNATED CONTRACTING STATES:
 AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

20030903 EP/RIC1-A
 CLASSIFICATION (CORRECTION)
 7 A23L-003/36 A

20030903 EP/RIC1-A
 CLASSIFICATION (CORRECTION)
 7 A23L-003/40 B

20030903 EP/RIC1-A
 CLASSIFICATION (CORRECTION)
 7 A23L-003/18 B

20030903 EP/RIC1-A
 CLASSIFICATION (CORRECTION)
 7 A23L-003/04 B

20030903 EP/RIC1-A
CLASSIFICATION (CORRECTION)
7 A23L-003/3409 B

20030903 EP/RIC1-A
CLASSIFICATION (CORRECTION)
7 A23G-007/02 B

20031015 EP/RIN1-A
INVENTOR (CORRECTION)
MALMBERG, JONNY

20031015 EP/RIN1-A
INVENTOR (CORRECTION)
BLIXT, PER

20031015 EP/RIN1-A
INVENTOR (CORRECTION)
HOCKER, JON A.

20031015 EP/RIN1-A
INVENTOR (CORRECTION)
WILSON, RICK

20031112 EP/RIN1-A
INVENTOR (CORRECTION)
MALMBERG, JONNY

20031112 EP/RIN1-A
INVENTOR (CORRECTION)
BLIXT, PER

20031112 EP/RIN1-A
INVENTOR (CORRECTION)
HOCKER, JON A.

20031112 EP/RIN1-A
INVENTOR (CORRECTION)
WILSON, RICK

20040526 EP/AKX-A [+]
PAYMENT OF DESIGNATION FEES
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

20040526 EP/17P-A [+]
REQUEST FOR EXAMINATION FILED
EFFECTIVE DATE: 20030410

20040901 EP/17Q-A [+]
FIRST EXAMINATION REPORT
EFFECTIVE DATE: 20040720

UP - 2004-36

14 / 30 INPADOC - ©INPADOC

PN - EP 1143814 B1 20031029 [EP1143814]
TI - APPARATUS FOR GAS TREATMENT OF PRODUCTS
APPAREIL DE TRAITEMENT GAZEUX DE PRODUITS
APPARAT ZUR GASBEHANDLUNG VON PRODUKTEN
LA - ENG
IN - MALMBERG JONNY [SE]; BLIXT PER [SE]; HOCKER JON A [US];
WILSON RICK [US]
PA - FRIGOSCANDIA EQUIPMENT AB [SE]
AP - EP 902267/00-A 20000120 [2000EP-0902267]
PR - WO 200000110/00(SE)-W 20000120 [2000WO-SE00110]
SE 9900166/99-A 19990120 [1999SE-0000166]
IC - A23L-003/00; B01J-008/46
DS - AT* BE* CH* CY* DE* DK* ES* FI* FR* GB* GR* IE* IT* LI* LU* MC*
NL* PT* SE*

1 / 1 LEGALI - ©EPO

PN - EP1143814 A1 20011017 [EP1143814]EP1143814 B1 20031029 [EP1143814]

AP - EP00902267 20000120 [2000EP-0902267]

ACTE - 20011017 EP/AK-A [+]
DESIGNATED CONTRACTING STATES:
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

20011017 EP/AX-A [+]
EXTENSION OF THE EUROPEAN PATENT TO
AL;LT;LV;MK;RO;SI

20011017 EP/17P-A [+]
REQUEST FOR EXAMINATION FILED
EFFECTIVE DATE: 20010626

20031029 EP/AK-A [+]
DESIGNATED CONTRACTING STATES:
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

20031029 EP/REG-A; GB/FG4D [+]
GB: EUROPEAN PATENT GRANTED
<GB>

20031031 EP/REG-A; CH/EP [+]
CH: ENTRY IN THE NATIONAL PHASE
<CH>

20031126 EP/REG-A; IE/FG4D [+]

IE: EUROPEAN PATENTS GRANTED DESIGNATING IRELAND
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20031204 EP/REF-A
CORRESPONDS TO:
(DE 60006212 20031204 [DE60006212])

20040126 EP/REG-A; DK/T3 [+]
DK: TRANSLATION OF EP PATENT
<DK>

20040331 EP/REG-A; PT/SC4A

<PT>
EFFECTIVE DATE: 20040127
AVAILABILITY OF NATIONAL TRANSLATION

20040426 EP/LTIE-A [-]
LT: INVALIDATION OF EUROPEAN PATENT EXTENSION
EFFECTIVE DATE: 20031029

20040514 EP/REG-A; CH/PL [-]
CH: PATENT CEASED
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20040623 EP/25-A [-]
LAPSED IN A CONTRACTING STATE
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EFFECTIVE DATE: 20031029

20040701 EP/REG-A; ES/FG2A
ES: DEFINITIVE PROTECTION
(ES 2209810T3 0 [ES2209810])

20040702 EP/ET-A [+]
FR: TRANSLATION FILED

20040728 EP/25-A [-]
LAPSED IN A CONTRACTING STATE
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EFFECTIVE DATE: 20031029

20040728 EP/25-A [-]
LAPSED IN A CONTRACTING STATE
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EFFECTIVE DATE: 20031029

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LAPSED IN A CONTRACTING STATE
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LAPSED IN A CONTRACTING STATE
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EFFECTIVE DATE: 20031029

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EFFECTIVE DATE: 20031029

20040811 EP/25-A [-]
LAPSED IN A CONTRACTING STATE
<GR>
EFFECTIVE DATE: 20040129

20040915 EP/26-A [-]
OPPOSITION FILED
OPPONENT: CAMITECH A/S; EFFECTIVE DATE: 20040728

20041101 EP/NLR1-A [-]
NL: OPPOSITION HAS BEEN FILED WITH THE EPO
OPPONENT: CAMITECH A/S

20050112 EP/25-A [-]
LAPSED IN A CONTRACTING STATE
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EFFECTIVE DATE: 20031029

20050112 EP/25-A [-]
LAPSED IN A CONTRACTING STATE
<CH>
EFFECTIVE DATE: 20031029

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LAPSED IN A CONTRACTING STATE

EFFECTIVE DATE: 20031029

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EFFECTIVE DATE: 20031029

20050112 EP/25-A [-]
LAPSED IN A CONTRACTING STATE

<GR>

EFFECTIVE DATE: 20040129

20050112 EP/25-A [-]

LAPSED IN A CONTRACTING STATE

<MC>

EFFECTIVE DATE: 20040131

UP - 2005-18

15 / 30 INPADOC - ©INPADOC

PN - ES 2209810 T3 20040701 [ES2209810]
TI - APARATO PARA EL TRATAMIENTO CON GAS DE PRODUCTOS.
IN - MALMBERG JONNY [SE]; BLIXT PER [SE]; HOCKER JON A [US];
WILSON RICK [US]
PA - FRIGOSCANDIA EQUIPMENT AB
AP - ES 902267/00-EP 20000120 [2000EP-0902267]
PR - SE 9900166/99-A 19990120 [1999SE-0000166]
IC - A23L-003/00; B01J-008/46

16 / 30 INPADOC - ©INPADOC

PN - IL 144342 A0 20020523 [IL-144342]
TI - APPARATUS FOR GAS TREATMENT OF PRODUCTS
PA - FRIGOSCANDIA EQUIPMENT AB
AP - IL 144342/00-A 20000120 [2000IL-0144342]
PR - SE 9900166/99-A 19990120 [1999SE-0000166]
WO 200000110/00(SE)-W 20000120 [2000WO-SE00110]
IC - A23L-000/00

1 / 1 LEGALI - ©EPO

PN - IL144342 D0 20020523 [IL-144342]IL144342 A 20040725 [IL-144342]
AP - IL14434200 20000120 [2000IL-0144342]
ACTE - 20041215 IL/FF-A [+] PATENTS GRANTED
20050220 IL/KB-A
UP - 2005-12

17 / 30 INPADOC - ©INPADOC

PN - IL 144342 A1 20040725 [IL-144342]
TI - APPARATUS FOR GAS TREATMENT OF PRODUCTS
PA - FRIGOSCANDIA EQUIPMENT AB [SE]
AP - IL 144342/00-A 20000120 [2000IL-0144342]

PR - SE 9900166/99-A 19990120 [1999SE-0000166]
WO 200000110/00(SE)-W 20000120 [2000WO-SE00110]
IC - A23L-003/00; B01J-008/46

1 / 1 LEGALI - ©EPO

PN - IL144342 D0 20020523 [IL-144342]IL144342 A 20040725 [IL-144342]
AP - IL14434200 20000120 [2000IL-0144342]
ACTE - 20041215 IL/FF-A [+] PATENTS GRANTED
20050220 IL/KB-A
UP - 2005-12

18 / 30 INPADOC - ©INPADOC

PN - JP 2002535596 T2 20021022 [JP2002535596]
AP - JP 2000594341/00-A 20000120 [2000JP-0594341]
PR - SE 9900166/99-A 19990120 [1999SE-0000166]
WO 200000110/00(SE)-W 20000120 [2000WO-SE00110]
IC - F25D-013/00; A23L-003/18; A23L-003/36; A23L-003/40

19 / 30 INPADOC - ©INPADOC

PN - NO 20013256 A0 20010629 [NO200103256]
TI - APPARAT TIL BEHANDLING AV PRODUKTER MED GASS
IN - MALMBERG JONNY [SE]; BLIXT PER [SE]; HOCKER JON A [US];
WILSON RICK [US]
PA - FRIGOSCANDIA EQUIPMENT AB [SE]
AP - NO 20013256/01-A 20010629 [2001NO-0003256]
PR - SE 9900166/99-A 19990120 [1999SE-0000166]
WO 200000110/00(SE)-W 20000120 [2000WO-SE00110]
IC - A23L-000/00

20 / 30 INPADOC - ©INPADOC

PN - NO 20013256 A 20010920 [NO200103256]
TI - APPARAT TIL BEHANDLING AV PRODUKTER MED GASS
IN - MALMBERG JONNY [SE]; BLIXT PER [SE]; HOCKER JON A [US];
WILSON RICK [US]
PA - FRIGOSCANDIA EQUIPMENT AB [SE]
AP - NO 20013256/01-A 20010629 [2001NO-0003256]
PR - SE 9900166/99-A 19990120 [1999SE-0000166]
WO 200000110/00(SE)-W 20000120 [2000WO-SE00110]
IC - A23L-003/3409; A23L-003/37; A23L-003/00

21 / 30 INPADOC - ©INPADOC

PN - NZ 512895 A 20030131 [NZ-512895]
TI - APPARATUS FOR GAS TREATMENT OF PRODUCTS
IN - MALMBERG JONNY; BLIXT PER; HOCKER JON A; WILSON RICK
PA - FRIGOSCANDIA EQUIPMENT AB
AP - NZ 512895/00-A 20000120 [2000NZ-0512895]
PR - SE 9900166/99-A 19990120 [1999SE-0000166]
WO 200000110/00(SE)-W 20000120 [2000WO-SE00110]
IC - A23L-003/00; B01J-008/46

22 / 30 INPADOC - ©INPADOC

PN - PL 349881 A1 20020923 [PL-349881]
TI - APPARATUS FOR GAS TREATMENT OF PRODUCTS
IN - MALMBERG JONNY [SE]; BLIXT PER [SE]; HOCKER JON A [US];
WILSON RICK [US]
PA - FRIGOSCANDIA EQUIPMENT AB [SE]
AP - PL 349881/00-A 20000120 [2000PL-0349881]
PR - WO 200000110/00(SE)-W 20000120 [2000WO-SE00110]
SE 9900166/99-A 19990120 [1999SE-0000166]
IC - A23L-003/00

23 / 30 INPADOC - ©INPADOC

PN - PT 1143814 T 20040331 [PT1143814]
TI - APARELHO PARA TRATAMENTO A GAS DE PRODUTOS
IN - MALMBERG JONNY [SE]; BLIXT PER [SE]; HOCKER JON A [US];
WILSON RICK [US]
PA - FRIGOSCANDIA EQUIPMENT AB [SE]
AP - PT 902267/00-A 20000120 [2000PT-0902267]
PR - SE 9900166/99-A 19990120 [1999SE-0000166]
IC - A23L-003/00; B01J-008/46

24 / 30 INPADOC - ©INPADOC

PN - RU 2236655 C2 20040920 [RU2236655]
TI - APPARATUS FOR GAS TREATMENT OF PRODUCTS
IN - MAL MBERG DZHONNI [SE]; BLIKST PER [SE]; KHOKER DZHON A
[US]; UILSON RIK [US]
AP - RU 2001123229/01-A 20000120 [2001RU-0123229]
PR - SE 9900166/99-A 19990120 [1999SE-0000166]
IC - F25D-013/06; A23L-003/00; B01J-008/46

25 / 30 INPADOC - ©INPADOC

PN - SE 9900166 A 20000721 [SE9900166]
TI - APPARAT FOER GASBEHANDLING AV PRODUKTER
IN - MALMBERG JONNY; BLIXT PER; HOCKER JON A; WILSON RICK
PA - FRIGOSCANDIA EQUIPMENT AB [SE]
AP - SE 9900166/99-A 19990120 [1999SE-0000166]
PR - SE 9900166/99-A 19990120 [1999SE-0000166]
IC - B01J-008/16; B65G-051/03

26 / 30 INPADOC - ©INPADOC

PN - SE 515811 C2 20011015 [SE-515811]
TI - APPARAT FOER GASBEHANDLING AV PRODUKTER INNEFATTANDE
EN HOEGTRYCKSKAMMARE
IN - MALMBERG JONNY; BLIXT PER; HOCKER JON A; WILSON RICK
PA - FRIGOSCANDIA EQUIPMENT AB [SE]
AP - SE 9900166/99-A 19990120 [1999SE-0000166]
PR - SE 9900166/99-A 19990120 [1999SE-0000166]
IC - A23L-003/04; A23L-003/18; A23L-003/40; F25D-013/06

27 / 30 INPADOC - ©INPADOC

PN - SE 9900166 A0 19990120 [SE9900166]
TI - APPARATUS FOR GAS TREATMENT OF PRODUCTS
IN - MALMBERG JONNY; BLIXT PER; HOCKER JON A; WILSON RICK
PA - FRIGOSCANDIA EQUIPMENT AB [SE]
AP - SE 9900166/99-A 19990120 [1999SE-0000166]
PR - SE 9900166/99-A 19990120 [1999SE-0000166]
IC - A23L-000/00

28 / 30 INPADOC - ©INPADOC

PN - US 6354196 BA 20020312 [US6354196]
TI - Apparatus for gas treatment of products
IN - MALMBERG JONNY [SE]; BLIXT PER [SE]; HOCKER JON A [US];
WILSON RICK [US]
PA - FRIGOSCANDIA EQUIPMENT AS [SE]
AP - US 889672/01-A 20010719 [2001US-0889672]
PR - SE 9900166/99-A 19990120 [1999SE-0000166]
WO 200000110/00(SE)-W 20000120 [2000WO-SE00110]
IC - A23L-001/00; A23L-001/01; A23L-003/36; F25D-003/11; F25D-023/02

1 / 1 LEGALI - ©EPO

PN - US6354196 B1 20020312 [US6354196]

AP - US88967201 20010719 [2001US-0889672]
ACTE - 20010927 US/AS-A
 ASSIGNMENT
 OWNER: FRIGOSCANDIA EQUIPMENT AB BOX 913 SE-251 09 HELSIN;
 EFFECTIVE DATE: 20010607
 ASSIGNMENT OF ASSIGNORS INTEREST;ASSIGNORS:MALMBERG,
 JONNY;BLIXT, PER;HOCKER, JON A.;AND
 OTHERS;REEL/FRAME:012201/0001

 20040615 US/RF-A
 REISSUE APPLICATION FILED
 EFFECTIVE DATE: 20040311
UP - 2004-37

29 / 30 INPADOC - ©INPADOC

PN - WO 200042869 A1 20000727 [WO200042869]
TI - APPARATUS FOR GAS TREATMENT OF PRODUCTS
 APPAREIL DE TRAITEMENT GAZEUX DE PRODUITS
LA - ENG
IN - MALMBERG JONNY [SE]; BLIXT PER [SE]; HOCKER JON A [US];
 WILSON RICK [US]
PA - FRIGOSCANDIA EQUIPMENT AB [SE]; MALMBERG JONNY [SE]; BLIXT
 PER [SE]; HOCKER JON A [US]; WILSON RICK [US]
AP - WO SE 200000110/00(SE)-A 20000120 [2000WO-SE00110]
PR - SE 9900166/99-A 19990120 [1999SE-0000166]
IC - A23L-003/00; B01J-008/46
DS - AE* AL* AM* AT* AT* AU* AZ* BA* BB* BG* BR* BY* CA* CH* CN*
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 SZ TZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH CY DE DK ES
 FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN GW ML
 MR NE SN TD TG

1 / 1 LEGALI - ©EPO

PN - WO200042869 A1 20000727 [WO200042869]
AP - WOSE0000110 20000120 [2000WO-SE00110]
ACTE - 20000727 WO/AK [+]
 DESIGNATED STATES CITED IN A PUBLISHED APPLICATION WITH
 SEARCH REPORT
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 KE KG KP KR KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW
 MX NO NZ PL PT RO RU SD SE SG SI SK SK SL TJ TM TR TT TZ UA UG

US UZ VN YU ZA ZW

20000727 WO/AL [+]

DESIGNATED COUNTRIES FOR REGIONAL PATENTS CITED IN A
PUBLISHED APPLICATION WITH SEARCH REPORT

GH GM KE LS MW SD SL SZ TZ UG ZW AM AZ BY KG KZ MD RU TJ
TM AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ
CF CG CI CM GA GN GW ML MR NE SN TD TG

20000920 WO/121

EP: THE EPO HAS BEEN INFORMED BY WIPO THAT EP WAS
DESIGNATED IN THIS APPLICATION

20001109 WO/DFPE

REQUEST FOR PRELIMINARY EXAMINATION FILED PRIOR TO
EXPIRATION OF 19TH MONTH FROM PRIORITY DATE

20010628 WO/ENP

ENTRY INTO THE NATIONAL PHASE IN:
CA 2356977A [2000CA-2356977]

20010718 WO/ENP

ENTRY INTO THE NATIONAL PHASE IN:
JP 2000 594341A [2000JP-0594341]

20010719 WO/ENP

ENTRY INTO THE NATIONAL PHASE IN:
US 2001 889672A 20010719 [2001US-0889672]

20011115 WO/REG; DE/8642 [-]

DE: IMPACT ABOLISHED FOR DE
<DE>

UP - 2003-22

30 / 30 INPADOC - ©INPADOC

PN - ZA 200105267 A 20020626 [ZA200105267]

TI - APPARATUS FOR GAS TREATMENT OF PRODUCTS.

IN - MALMBERG JONNY; BLIXT PER; HOCKER JON A; WILSON RICK

PA - FRIGOSCANDIA EQUIPMENT AB

AP - ZA 5267/01-A 20010626 [2001ZA-0005267]

PR - SE 9900166/99-A 19990120 [1999SE-0000166]

IC - A23L-000/00; B01J-000/00

Search statement 2